CLAIMS

1. A double-skin tubular structural member including:

   - a fibre reinforced polymer outer tube;
   - an inner tube made from generally metallic materials; and
   - filler material provided between said outer tube and said inner tube.

2. A double-skin tubular structural member as claimed in claim 1 wherein said filler material comprises a bound aggregate material.

3. A double-skin tubular structural member as claimed in claim 2 wherein said bound aggregate material comprises concrete.

4. A double-skin tubular structural member as claimed in claim 1 wherein said inner tube comprises a steel tube.

5. A double-skin tubular structural member as claimed in claim 1 wherein said fibre-reinforced polymer includes at least some fibres orientated generally circumferentially around said tube.

6. A double-skin tubular structural member as claimed in claim 5 wherein said fibre-reinforced polymer includes a majority of fibres being orientated generally circumferentially about said tube.

7. A double-skin tubular structural member as claimed in claim 1 wherein said outer fibre-reinforced polymer tube is constructed from a plurality of layers of fibre-reinforced polymer.

8. A double-skin tubular structural member as claimed in claim 1 wherein said outer fibre-reinforced polymer tube is constructed using a filament winding process.

9. A method of constructing a double-skin tubular structural member comprising the steps of:

- providing a pre-formed fibre reinforced polymer outer tube;
- providing an inner tube made from generally metallic materials; and
- inserting a filler material between said outer tube and said inner tube.

10. A method of constructing a double-skin tubular structural member as claimed in claim 9 wherein said method further includes inserting a bound aggregate as the filler material.

11. A method of constructing a double-skin tubular structural member as claimed in claim 9 wherein said fibre reinforced polymer outer tube acts as a construction form during a curing stage of the filler material.